SEQUENCE LISTING

<110> NGUYEN, MAI

<120> IDENTIFICATION OF A NOVEL ENDOTHELIAL-DERIVED GENE EG-1

<130> 40PT-301400US

<140> unassigned
<141> 2001-12-12

<160> 15

<170> PatentIn version 3.0

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<212> DNA
<213> Homo sapiens

<220>
<221> CDS
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Pro Pro Gln Ala Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu Leu Gln
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gca gct cca ggc gct cct aga cct tcc agc agt act ttg gtg gac gag 146
Ala Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu
35 40 45

ttg gag tca tct ttc gag gct tgc ttt gca tct ctg gtg agt cag gac 194
Leu Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp
50 55 60

tat gtc aat ggc act gat cag gaa gaa att cga acc ggt gtt gat cag 242
Tyr Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln
65 70 75

tgt atc cag aag ttt ctg gat att gca aga cag aca gaa tgt ttt ttc 290
Cys Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe
80 85 90 95

tta caa aaa aga ttg cag tta tct gtc cag aaa cca gag caa gtt atc 338
Leu Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln Val Ile
100 105 110

aaa gag gat gtg tca gaa cta agg aat gaa tta cag cgg aaa gat gca 386
Lys Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala
115 120 125

cta gtc cag aag cac ttg aca aag ctg agg cat tgg cag cag gtg ctg 434
Leu Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu
130 135 140

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Glu Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro Gln Gly
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tcc ttg gcc tac ctg gag cag gca tct ggc aac atc cct gca cct ctg      531
Ser Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala Pro Leu
160                 165                 170                 175

aag cca acg tgagcaaagg gcagagggag ttggcctatg agtgggctga              579
Lys Pro Thr


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Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu Leu
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Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
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Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
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Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Leu
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Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln Val Ile Lys
100 105 110

Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala Leu
115 120 125

Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
130 135 140

Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro Gln Gly Ser
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Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala Pro Leu Lys
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Pro Thr

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<212> PRT
<213> Mus musculus

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35 40 45

Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
50 55 60

Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
65 70 75 80

Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Leu
85 90 95

Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Asp Gln Val Ile Lys
100 105 110

Glu Asp Val Ser Glu Leu Arg Ser Glu Leu Gln Arg Lys Asp Ala Leu
115 120 125

Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
130 135 140

Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Met Pro Gln Gly Ser
145 150 155 160

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Gln Thr

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20 25 30

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35 40 45

Asn Arg Phe Ile Asp Val Ala Arg Gln Met Glu Ala Phe Phe Leu Gln
50 55 60

Lys Arg Phe Leu Val Ser Thr Leu Lys Pro Tyr Met Leu Ile Lys Asp
65 70 75 80

Glu Asn Gln Asp Leu Ser Ile Glu Ile Gln Arg Lys Glu Ala Leu Leu
85 90 95

Gln Lys His Tyr Asn Arg Leu Glu Glu Trp Lys Ala Cys Leu Ser Asp
100 105 110

Ile Gln Gln Gly Val His Ser Arg Pro Thr Pro Pro Ile Gly Ser Gly
115 120 125

Met Leu Gln Gly Pro Gly Gly Gly Met Pro Pro Met Gly Gly Thr Pro
130 135 140

Pro Arg Pro Gly Met Met Pro Gly Met Pro Pro Gly Ala Met Gln Pro
145 150 155 160

Gly Gly Pro Met Gln Pro Ser Pro His Met Leu Gln Ala Gln Gln Met
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Gln Gln Leu Arg Met Ile Ser Arg Gln Met Pro Pro Lys
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Pro Gly Pro Pro Gln Ala Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu
15 20 25

ctt cag gca gct cca ggc gct cct aga cct tcc agc agt act ttg gtg 147
Leu Gln Ala Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val
30 35 40 45

gac gag ttg gaq tca tct ttc gag gct tgc ttt gca tcc ctg gtg agt 195
Asp Glu Leu Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser
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cag gac tat gtc aat ggc acc gat cag gaa gaa att cga acc ggt gtt 243
Gln Asp Tyr Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val
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gat cag tgt atc cag aag ttt ctg gat att gca aga cag aca gaa tgt 291
Asp Gln Cys Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys
80 85 90

ttt ttc tta caa aaa aga ttg cag tta tct gtc cag aaa cca gag caa 339
Phe Phe Leu Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln
95 100 105

gtt atc aaa gag gat gtg tca gaa tta agg aat gaa tta cag cgg aaa 387
Val Ile Lys Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys
110 115 120 125

gat gca cta gtc cag aag cac ttg aca aag ctg agg cat tgg cag cag 435
Asp Ala Leu Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln
130 135 140

gtg ctg gag gac atc aac gtg cag cac aaa aag cct gcc gac atc cct 483
Val Leu Glu Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro
145 150 155

cag ggc tcc ttg gcc tac ctg gag cag gca tct gcc aac atc cct gca 531
Gln Gly Ser Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala
160 165 170

cct ctg aag cca acg tgagcaaagg gcagaggcag ttggcctatg agtgggctga 586
Pro Leu Lys Pro Thr
175

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gtagtttgat ccgaaggaaa agagtatagt agcctgagaa tcaggagatg ggagttttag 946

tcgtaggtct tatgataatt accccgcggt ggtgtgtaga aaagtatgta aatttgctct 1006

gttttaagac tttgaactac ctcaagaaga ggaatctaat acaatatttg taatgtttcc 1066

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Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu Leu
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Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
50 55 60

Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
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Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Leu
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Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln Val Ile Lys
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Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala Leu

115 120 125

Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
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Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro Gln Gly Ser
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Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala Pro Leu Lys
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Pro Thr

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<223> PCR primer

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<210> 9
<211> 18
<212> DNA
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<220>
<223> PCR primer

<400> 9
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<211> 20
<212> PRT
<213> Homo sapiens

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Ser Ser Phe Glu
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Arg

<210> 14
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Gln Val

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Arg